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## ***Job Application for Science & Engineering Students***

### ***US Army Corps of Engineers Field Research Facility***

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Undergraduate or graduate students interested in a challenging and rewarding work experience in Marine Science should consider applying for work at the U.S. Army Corps of Engineers Field Research Facility (FRF), in Duck, NC. The facility is a remote site of the US Army Engineer Research and Development Center's Coastal and Hydraulics Laboratory. The FRF is internationally recognized as a leading center for conducting coastal field measurements and research.

A summer or semester at the FRF is an excellent way to gain professional experience in the world of coastal marine science. Students work directly with FRF scientists and technicians in a mentoring and collegial atmosphere. Applicants can expect to be exposed to the more practical side of science by working on the vehicles and vessels, collecting observations, and assisting with experiment logistics. You'll be part of a great team and given a lot of responsibility, while working in a great location. FRF student alums have gone on to successful graduate and professional careers and always attribute some of their success to their FRF experience.

Opportunities are available for undergraduate and graduate university students majoring in computer science, engineering, or physical-science. Although majors in these fields are preferable, any student with a major in an appropriate field of study may apply. Work is scheduled by summer and semester.

Duties may include:

- Collecting field measurements.
- Conducting public tours of the facility (summer).
- Data entry and analysis.
- Web page design and creation
- Programming
- Assisting in the operation of the facility and equipment
- Routine monitoring of the status of oceanographic instruments.
- Oceanographic instrumentation repair/development.

Actual responsibilities are tailored to each applicant's knowledge and area of interest. We are particularly interested in students with knowledge in the following areas:

- Knowledge of popular commercial software (MS Office, CAD, Matlab, etc.).
- Computer programming using FORTRAN, C/C++, LINUX, PERL, etc
- Web page development using HTML.

- Surveying, engineering computations, time series analysis.
- Knowledge or interest in basic Oceanography.
- Construction and tool use; marine operations
- Circuit design, circuit theory, general instrument repair skills.
- The ability to work independently and as part of a team.

This program is available under an arrangement whereby the Government and student will enter into a contract for the student's services. Selected students will be issued a Purchase Order for their services and be paid on a monthly basis following receipt of an invoice for hours worked. Taxes will not be withheld from monthly checks to students. They will be considered self-employed for tax purposes, and therefore, be responsible for income tax. Starting and ending dates, hours per week (usually 40), and work periods are negotiable. Some limited travel may be required for field studies.

Selection is competitive and applicants will be ranked according to such factors as GPA, or ACT/SAT score (if first semester Freshman), course work, present classification, availability, and experience. Applications for summer employment must be submitted by March 30.

Eligibility is dependent upon an overall GPA of 3.0 or better, 3.2 for graduate students. Applications showing an overall GPA of less than 3.0 or 3.2 for graduate students will not be considered. All credit/hours used to determine your appropriate pay rate **MUST** be applicable to your major and curriculum. Pay rates, which are subject to change by Contracting Division, are listed below.

You must be a U.S. citizen to apply.

<b>Year in School</b>	<b>Hourly Pay</b>
Freshman (Less than 30 semester hours)	\$9.91
Sophomore (30 semester hrs or equivalent)	\$10.82
Junior (60 semester hrs or equiv)	\$12.14
Senior (90 semester hrs or equiv)	\$13.58
Bachelor's degree in non-engineering	\$16.83
Bachelor's degree in engineering	\$19.44
Master's degree in non-engineering	\$20.58
Master's degree in engineering	\$23.78

**APPLICATION FOR AN UNDERGRADUATE/GRADUATE UNIVERSITY STUDENT CONTRACT  
WITH THE U.S. ARMY CORPS OF ENGINEERS  
ENGINEER RESEARCH & DEVELOPMENT CENTER  
FIELD RESEARCH FACILITY, DUCK, NORTH CAROLINA**

Date: \_\_\_\_\_ Are you a U.S. Citizen? yes \_\_\_\_\_ no \_\_\_\_\_

Name: \_\_\_\_\_

Permanent Mailing Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Permanent Phone Number: \_\_\_\_\_ Cell Phone Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

University or College currently enrolled in: \_\_\_\_\_

Mailing Address at College: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Degree Being Pursued: (i.e., B.S., B.A.) \_\_\_\_\_

Major Field of Study: \_\_\_\_\_

Present Classification: (i.e., Junior, Senior) \_\_\_\_\_

Anticipated Graduation Date: \_\_\_\_\_

If Masters or PhD Candidate, provide area of specialty: \_\_\_\_\_

Masters or PhD candidates shall provide evidence of time limits set by the university for completion of program.

Total hours completed to date: \_\_\_\_\_ Type of hours-choose one: Semester \_\_\_\_\_ Quarter \_\_\_\_\_

Number of hours currently enrolled in: \_\_\_\_\_ Type of hours-choose one: Semester \_\_\_\_\_ Quarter \_\_\_\_\_

If quarter hours are indicated, student should furnish evidence of school's requirements for completion of an academic year (i.e., page from catalog, letter from school).

Overall Grade Point Average: (i.e., 3.45) \_\_\_\_\_

To be considered you need to attach an actual copy of your complete transcript reflecting your cumulative average. If you are a first semester freshman, please attach overall SAT or ACT score and High School QPA in lieu of GPA.

Previous Work Experience:

Dates	Company	Phone #	Position	Supervisor
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Please specify knowledge and/or experience with any computer programs, programming languages, computer architecture, electronics, surveying, construction, marine environments and data collection or any other relevant experience:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List at least two references, one of which should be work/experience related. Include addresses, phone numbers and their relationship to you, (i.e., supervisor, college advisor, teacher, personal acquaintance)  
***Please be advised, we will contact your references as part of our evaluation process.***

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Do you have any family members working at the Engineer Research & Development Center?  
(yes, no) \_\_\_\_\_ If yes, provide their full name and the name of the laboratory:

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Have you ever worked for the Engineer Research & Development Center? (yes, no) \_\_\_\_\_  
If yes, provide dates, position and laboratory:

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Have you ever worked for any government agency? (yes, no) \_\_\_\_\_  
If yes, provide dates, agency name and position held:

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Which of the following semesters will you be available for work? Please specify dates of availability.

Spring Semester year: \_\_\_\_\_ Summer Semester year: \_\_\_\_\_ Fall Semester year \_\_\_\_\_

Will you be available for future semesters? (yes, no) \_\_\_\_\_

If yes, which semesters/years: \_\_\_\_\_

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**Signature**

**Date**

Thank you for your interest in working with the research team at the Field Research Facility. Please mail this application along with a resume if you have one to the address listed below. Ask your school to mail under separate cover a letter indicating you are a student in good standing along with an Official transcript to the address below.

**Field Research Facility  
Attn: Judy Roughton  
1261 Duck Road  
Duck, N.C. 27949**

Small Print: Section 1001 of Title 18 of the United States Code states:

"Whoever...knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than five years, or both."